

Title (en)

Method and frame for "in band" path failure detection and localization within an SDH/SONET network domain

Title (de)

Verfahren und Rahmensignal zur Inband-Erkennung und -Lokalisierung eines Path-Ausfalls in einer SDH/SONET Netzwerkdomäne

Title (fr)

Procédé et trame pour la détection et la localisation dans la bande d'une faute de chemin dans un domaine de reseau SDH/SONET

Publication

**EP 1523117 A1 20050413 (EN)**

Application

**EP 03292497 A 20031009**

Priority

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Abstract (en)

It is disclosed a method for in-band path failure detection localization in a SDH/SONET network, the network comprising at least one network domain, the method comprises the steps of defining at least one path (PATH) through which SDH/SONET frames are transmitted and is characterized by coding K3 byte of POH, for SDH technology, or coding the Z4 byte of STS1 POH, for SONET technology. Bits 1-6 of byte K3 or Z4 are coded for providing: a node identifier indicating a node detecting a failure; Remote Defect Indication information; and information relating to the fact that a failure is external or internal to a network domain. <IMAGE>

IPC 1-7

**H04J 3/14**; **H04J 3/16**

IPC 8 full level

**H04J 3/14** (2006.01); **H04J 3/16** (2006.01)

CPC (source: EP US)

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Citation (search report)

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